

**Mainline 6B 2012 Maintenance and Rehabilitation & Line 6B Replacement Projects**  
**IDEM Water Quality Certification Independent Environmental Monitor Weekly Observation Report**

Observation Dates:	12/01/13 thru 12/07/13
IEM Name:	Glen Chandler
Wetland Identification Number(s):	w-488-y, w-489-y, w-490-b, w-491-a, w-492-a, w-493-c w-494-c, w-495-a, w-496-c, w-497-b, w-500a, w-516-a, w-516-b, w-517-e
Waterbody Identification Number(s):	s-489-b, s-489-z, S-495-a, s-496-c, s-500-a
Enbridge Land Tract Identification Number(s):	n-616-2 <sup>a</sup> -39, n-622-6, n-622-10A-1, n-627-a1, n-623-1, n-624-2, n-625-4, n-625-6, n-626-2B-4, n-627-3, n-628-4, n-628-51-1, n-629-2e, n-630-4a, n-631-7f, n-633-2, n-646-6B, n-647-1, n-647-3, n-648-1 <sup>a</sup> , n-648-3 <sup>a</sup> , n-648-2A.
County(s): St. Joseph, LaPorte, Porter	St. Joseph, Porter, LaPorte
<p><b>12/01/13:</b> Good weather conditions were observed during the IEM's inspection of ROW. W-516-a, Sta.#2708+96, Tract n-646-6 off Emery rd. observed crews digging ditch and relaying soil. Division rd. w-495-a, Sta.#1633+34, Tract n-628-4 wetland crossing was in compliance off Division rd. County Line rd. crossover at Sta.# 1585+15, Tract n-628-5a-1 backfill was in compliance. <b>12/02/13:</b> Contractor weekly safety meeting was attended. W-488-y adjacent to Calumet Ave. bore, Sta#.1225+25, Tract n-622-6 observed ECD's functioning correctly. N. 200E. rd. dewatering and sheet piling was observed at w-489-y, Sta.#1263+60, Tract n-622-10A-1. W-500a and s-500-a, Sta.#1898+09, Tract n-633-2 backfill and clean-up was observed to be in compliance. <b>12/03/13:</b> The HDD at w-517-e, Sta.#2765+87, Tract n-647-3 crews have un-jammed the ream and progress continues. W-516-b, Sta.#2737, Tract n-647-1 off Emery rd. was completed. w-516-a, Sta.#2705+52, Tract n-648-3A crossing was inspected and found to be in compliance. Division rd. S-495-a, Sta.#1626+91, Tract n-628-4 road crossing was in progress. Rutting off ROW was found during inspection of the work area. The E.I. was notified and issue was corrected. Marty Maupin from IDEM made IEM aware of a citizen complaint of mud on HWY 39. After investigation the contractor was told to double efforts to keep roads clean of mud in that area. <b>12/04/13:</b> Muddy conditions continue with a temp of 56* was observed West of N.200E. rd. sheet piling install in prep for crossing s-489-z, Sta.#1260+05, Tract n-622-10. W-492-a, Sta.#1429+59, Tract n-625-4 off E. Greening rd. sheet pile near completion in preparation for an open cut crossing. Road was very muddy as equipment and vehicles crossed Greening rd. frequently. Muddy conditions were also observed off N.350E. HDD clean up of w-490-b, Sta.#1358+11, Tract n-623-5D. Off the East side of Otis rd. the flume method dry crossing of s-496-c, Sta.#1662+31, Tract n-629-2-1 preparation began in compliance. <b>12/05/13:</b> W-489-y, Sta.#1263+60, Tract n-622-10A-1 off N. 200 E. rd. additional mats were installed. Division rd w-495-a, Sta.#1633+34, Tract n-628-4 wetland tie-in was completed. A meeting with IDEM Marty Maupin and ECM Landon Owens at w-496-c, Sta.#1655+15, Tract n-629-2e was held regarding the wetland "blister" caused by HDD pressure. It was determined that it poses no danger to wetland, adds habitat, and would impact wetland adversely if dug up. HDD of w-517-e, Sta.#2771+29, Tract n-647-3 drilling mud spill was 100% contained. IEM and spread LEI found HDD drilling mud off ROW North East of w-517-e, Sta.#2799+00, Tract n-648-1A. Contractor was notified and a cleanup plan will be submitted within 24hrs. W-516-b, Sta.#2735+10, Tract-n645+5a tie-in progress continued with dewatering in structure functioning correctly. <b>11/06/13:</b> W-492-a, Sta.#1429+59, Tract n-625-4 off E. Greening rd. ditching began. Off the East side of Otis rd. the flume method dry crossing of s-496-c, Sta.#1662+31, Tract n-629-2-1 continues in compliance. Erosion blanket + ECD's installed above w-497-c, Sta.#1714+55, Tract n-630-6. W-517-e, Sta.#2799+00, Tract n-648-1A, and Sta.#2771+29, Tract n-647-3, drilling mud spills continues to be monitored for further impact potential. W-516-b, Sta.#2735+10, Tract-n645+5a tie-in progress almost complete. <b>11/07/13:</b> Cold weather conditions continue. HDD of w-517-e, Sta.#2771+29, Tract n-647-3 pull through was in progress. A Small oil spill was reported for clean up on N.850E. Sta.#2819+91, Tract n-648-3B-1. W-517-e HDD H2O discharge location was approved by IEM at Sta.#2806+00 Tract n-648-2A. Off the East side of Otis rd. the flume method dry crossing of s-496-c, Sta.#1662+31, Tract n-629-2-1 had one more weld and then could backfill. Sheet pile installation continues for s-489-b (coffee creek) Sta.#1274+34, Tract n-623-1. A land owner and Land agent were observed on site. Tie-in work began at E. 900 E. rd.,Sta.#1238+09, Tract n-622-a.</p>	



w-516-a trenching began in compliance, Sta.#2705+52.



W-488-y adjacent to Calumet Ave. bore, Sta#.1225+25.



Goldring rd. Erosion control blanket installed, Sta.#1906+73.



SR HWY 39 muddy rd. compliant investigation Sta.#2170+54.



West of N.200E. muddy conditions at Sta.#1261+50.



DNR s-496-c flume dry crossing prep. at Sta.#1662+31





Anticline caused by HDD pressure in w-496-c, Sta.#1655+00



HDD mud at w-517-e clean up 100% contained, Sta.#2771+29



East of w-517-e drilling mud run off ROW, Sta.#2799+00



Erosion blanket + ECD's installed above w-497-c, Sta.#1714+55.



Small oil spill reported for clean up on N.850E. Sta.#2819+91



W-517-e HDD H2O discharge location approved, Sta.#2806+00.

